

QUANTITATIVE METHODS

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Assignment 4

This assignment is due **Thursday February 2, 2005** at the beginning of the class.

You must give a print out of your Worksheets, and hand them in with a cover page.

You must also send your work by e-mail. Your document should be saved under “Assignment 4 – Your Name”.

Question 1 (5 points)

Make the same presentation as you had for Assignment 3, with Assignment 4 in cell A2. Label sheet 1 “Question 1”.

Sketch a time plot for the birth rates (per 1000 population) for the years 1971-2003 for Canada and India. The data can be found on the file “Data – Birth Rate” from my web site, which you must copy on your worksheet.

Question 2 (15 points)

In a study on student life, a sociologist took a random sample of college students and asked them how many hours per week they spend studying.

In this question, you are to compile the data and make a relative frequency distribution table along with a histogram.

1. Go to Sheet 2 and label it “Question 2”. Make the usual heading.
2. In cell A6 write “Sample” in bold.
3. Below cell A6 copy, from the document “Data – Hours of Study” on my web site, the list of responses from the study.
4. Find the appropriate class width by finding the max, min, range and width. All of these must be found using formulas.
5. Compile the data with Excel.
6. Make a Relative Frequency Distribution Table, using formulas whenever possible.
7. Make a Histogram. A title and labels for the axes are expected. Adjust the size appropriately and move it to a place where it does not obstruct anything.
8. What is the type of histogram obtained? Write “Type of histogram” in cell E7 and your answer in cell F7.